

Please delete the present Abstract of the Disclosure.

Please add the following new Abstract of the Disclosure:

A catadioptric projection objective for projecting a pattern arranged in the object plane of the projection objective into the image plane of the projection objective, having: a first objective part for projecting an object field lying in the object plane into a first real intermediate image; a second objective part for generating a second real intermediate image with the radiation coming from the first objective part; a third objective part for generating a third real intermediate image with the radiation coming from the second objective part; and a fourth objective part for projecting the third real intermediate image into the image plane.